
Name of Organization: U.S. Fish and Wildlife Service

Type of Organization: Federal Agency

Contact Information: Mr. Gary Czypinski

2800 Lakeshore Dr. E, Suite B

Ashland WI 54806

Phone: (715) 682 - 6185 **Extension:** 211

Fax: (715) 682 - 8899

E-Mail: gary_czypinski@fws.gov

Project Title: Determine Habitat Selected by the Nuisance Fish, Ruffe

Project Category: Exotic Species

Rank by Organization (if applicable): 3

Total Funding Requested (\$): 39,650 **Project Duration:** 1 Years

Abstract:

Information relative to temperature, depth, habitat type, GIS, and light penetration of a preferred ruffe site is archived at the USGS, Lake Superior Biological Station, Ashland, WI. The Service will coordinate the analysis of this archived data to determine preferred habitat of the Eurasian ruffe.

This information will assist Great Lakes and inland lakes fish managers in predicting where ruffe are likely to colonize and ultimately where to concentrate pre-invasion control activities such as surveillance and habitat resilient improvements.

Geographic Areas Affected by the Project

States:

<input checked="" type="checkbox"/> Illinois	<input checked="" type="checkbox"/> New York
<input checked="" type="checkbox"/> Indiana	<input checked="" type="checkbox"/> Pennsylvania
<input checked="" type="checkbox"/> Michigan	<input checked="" type="checkbox"/> Wisconsin
<input checked="" type="checkbox"/> Minnesota	<input checked="" type="checkbox"/> Ohio

Lakes:

<input type="checkbox"/> Superior	<input type="checkbox"/> Erie
<input type="checkbox"/> Huron	<input type="checkbox"/> Ontario
<input type="checkbox"/> Michigan	<input checked="" type="checkbox"/> All Lakes

Geographic Initiatives:

<input type="checkbox"/> Greater Chicago	<input type="checkbox"/> NE Ohio	<input type="checkbox"/> NW Indiana	<input type="checkbox"/> SE Michigan	<input type="checkbox"/> Lake St. Clair
--	----------------------------------	-------------------------------------	--------------------------------------	---

Primary Affected Area of Concern: All AOCs

Other Affected Areas of Concern:

For Habitat Projects Only:

Primary Affected Biodiversity Investment Area: Not Applicable

Other Affected Biodiversity Investment Areas:

Problem Statement:

The goal of the Ruffe Control Program is to prevent or delay the further spread of ruffe through the Great Lakes and prevent their spread to other inland lakes and watersheds. Ruffe control strategies require understanding the distribution of ruffe including seasonal distribution in the Great Lakes and tributaries and diurnal distribution of larvae within the water column. Determinants for distribution and movement of the nuisance fish, ruffe such as temperature, light, and other habitat characteristics have been collected but not yet identified.

Proposed Work Outcome:

Analyze archived data at the USGS, Lake Superior Biological Station, Ashland, WI, to determine preferred habitat of the Eurasian ruffe.

This information will assist fish managers in predicting where ruffe are likely to colonize and ultimately where to concentrate pre-invasion control activities such as surveillance and habitat resilient improvements.

Project Milestones:

Project Start

Dates:

06/2000

/

/

/

/

/

/

Project End

05/2001

☐ Project Addresses Environmental Justice

If So, Description of How:

☒ Project Addresses Education/Outreach

If So, Description of How:

Results will educate fish managers on preferred ruffe habitat in which to concentrate surveillance activities and habitat resilient improvements.

Project Budget:

	Federal Share Requested (\$)	Applicant's Share (\$)
Personnel:	29,000	0
Fringe:	0	0
Travel:	2,000	0
Equipment:	1,000	0
Supplies:	500	0
Contracts:	0	0
Construction:	0	0
Other:	0	0
Total Direct Costs:	32,500	0
Indirect Costs:	7,150	0
Total:	39,650	0
Projected Income:	0	0

Funding by Other Organizations (Names, Amounts, Description of Commitments):

Description of Collaboration/Community Based Support:
